

The weather was a bit confused in Oklahoma during January. The first half of the month was on the warm and wet side of normal, while the second half was dominated by short, intense periods of dry winter's chill. The state received an average of 1.86 inches of precipitation from January 1-12, but only 0.31 inches throughout the rest of the month – the 5th wettest and 25th driest such periods on record, respectively. The month's biggest thrill came in the form of a winter storm on January 3, with freezing rain, sleet and snow falling across much of the state. Preliminary reports had Blanchard leading the official snowfall totals with 5.5 inches, although unofficial reports of up to 6.5 inches came in from the eastern side of Moore. Oklahoma City recorded 4.5 inches, their 18th largest single-day January snow total since records began in 1893. The final bit of excitement was the frigid weather to end the month. A large area of arctic air settled over the Upper Midwest and Northern Plains during the final week

of nearly a half-inch, about 50 percent of normal for January. The first two months of climatological winter, which runs from December-February, ended with a statewide average of 5.71 inches, 2.11 inches above normal and the 11th wettest December-January on record. Burns Flat led the state in snowfall for the season through January with 8 inches, and Erick, Forgan and Shattuck had each reported more than 7 inches. The official observing site at Oklahoma City had recorded 5.5 inches.

The January statewide average temperature was 38 degrees, 0.3 degrees above normal to rank as the 52nd warmest on record. Temperatures ranged from 78 degrees at Slapout on January 6 to minus 2 degrees at Eva on the second. The first two days of 2019 were quite frigid in the Panhandle. Eva's wind chill on the first and second of the month was minus 14 and minus 17 degrees, respectively. Boise City and Kenton

### January 2019 Statewide Extremes

Description	Extreme	Station	Day
High Temperature	78°F	Slapout	6
Low Temperature	-2°F	Eva	2
High Precipitation	5.41 in.	Tahlequah	--
Low Precipitation	0.32 in.	Hooker	--

of January, breaking many longtime cold temperature records. Low temperatures in Minnesota and North Dakota approached minus 60 degrees, with similar wind chills across a larger range. Oklahoma received the extreme southwestern edge of that air mass – a glancing blow. Wind chills dropped below zero in a few spots, and single digits over a larger area.

According to preliminary data from the Oklahoma Mesonet, the statewide average precipitation total was 2.17 inches, 0.61 inches above normal to rank as the 23rd wettest January since records began in 1895. Northeastern Oklahoma was unusually wet at 2.15 inches above normal, the seventh wettest January for that region. All Mesonet sites in the western quarter saw less than an inch of liquid precipitation, while areas east of Interstate 35 received 2-4 inches. A few Mesonet sites in the far northeast recorded more than 5 inches. Totals ranged from 5.41 inches at Tahlequah to 0.32 inches at Hooker. Far southwestern Oklahoma had deficits

### January 2019 Statewide Statistics

#### Temperature

	Average	Depart.	Rank (1895-2019)
Month (January)	38.0°F	0.3°F	52nd Warmest
Season-to-Date (Dec-Jan)	39.2°F	0.9°F	43rd Warmest

#### Precipitation

	Total	Depart.	Rank (1895-2019)
Month (January)	2.17 in.	0.61 in.	23rd Wettest
Season-to-Date (Dec-Jan)	5.71 in.	2.09 in.	11th Wettest

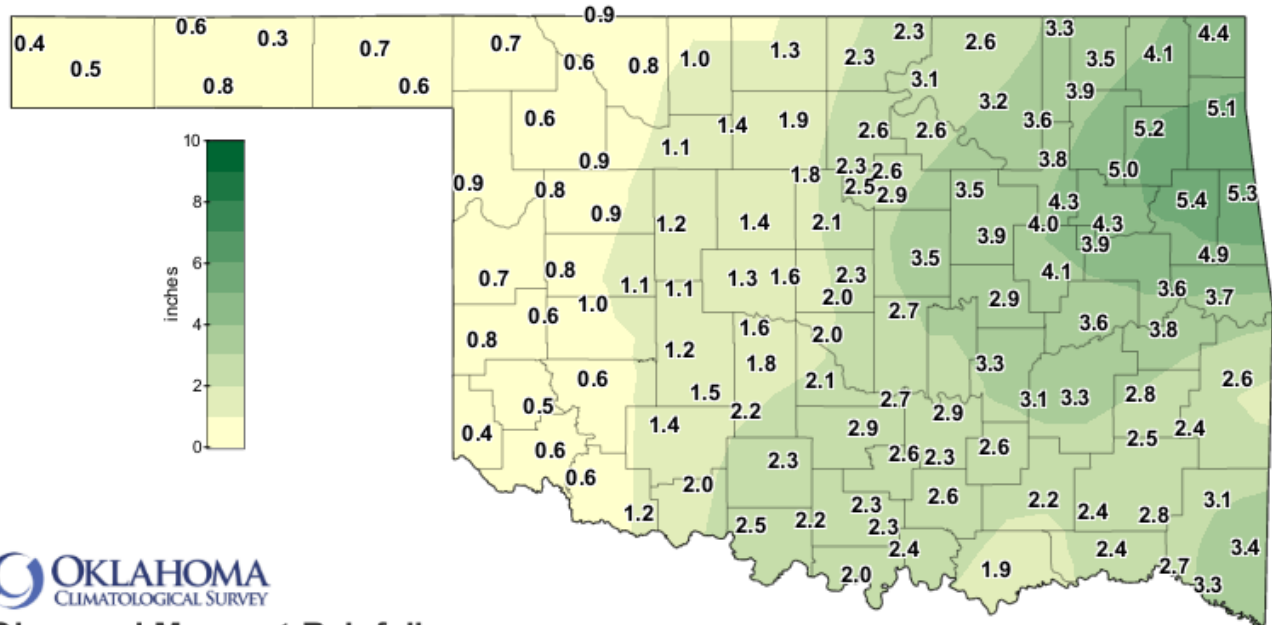
Depart. = departure from 30-year normal

had wind chills of minus 10 degrees. The first two months of winter finished with a statewide average of 39.2 degrees, 0.9 degrees above normal to rank as the 43rd warmest such period on record.

Oklahoma managed to make it three consecutive weeks with no drought or abnormally dry conditions depicted on the U.S. Drought Monitor map, from January 8-29. The month's final map had about 1 percent of the state in abnormally dry conditions. The area was centered on Harmon County in

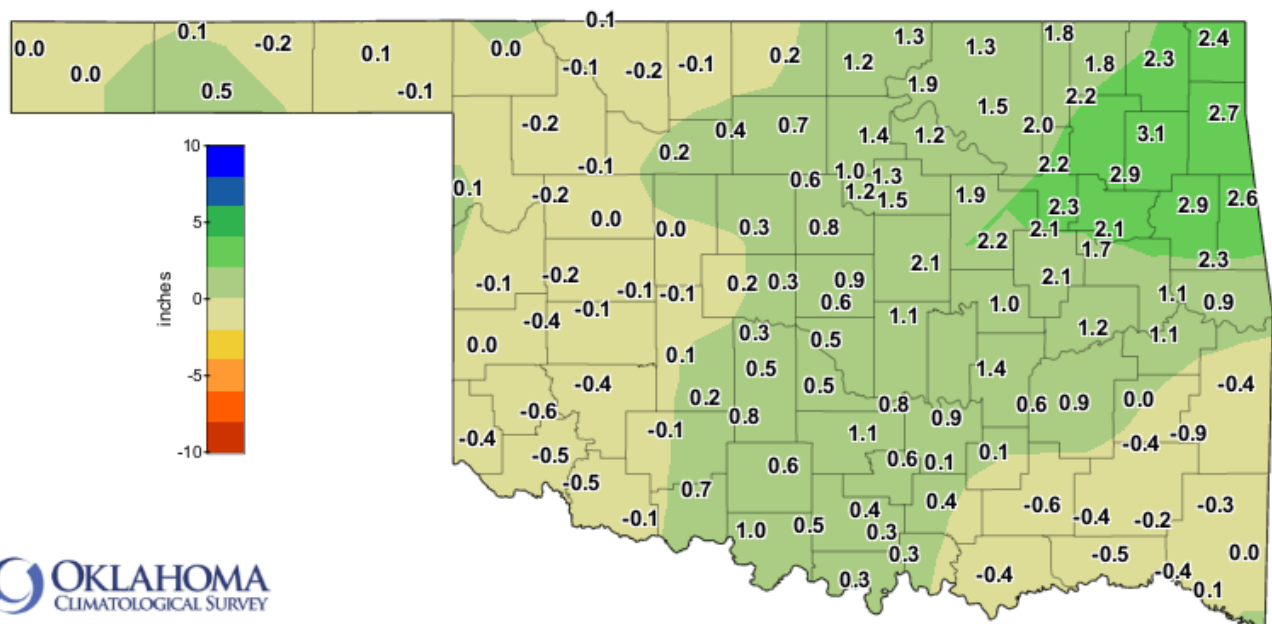
the far southwest where those moisture deficits continued to accumulate. The February outlooks from the Climate Prediction Center (CPC) showed slightly increased odds of below normal temperatures across the northwestern two-thirds of the state, and above normal precipitation for all but the far western Panhandle. The odds were a bit higher across eastern Oklahoma. CPC's Monthly Drought Outlook does not see drought development anywhere in the state through the end of February.

## JANUARY 2019 OBSERVED PRECIPITATION



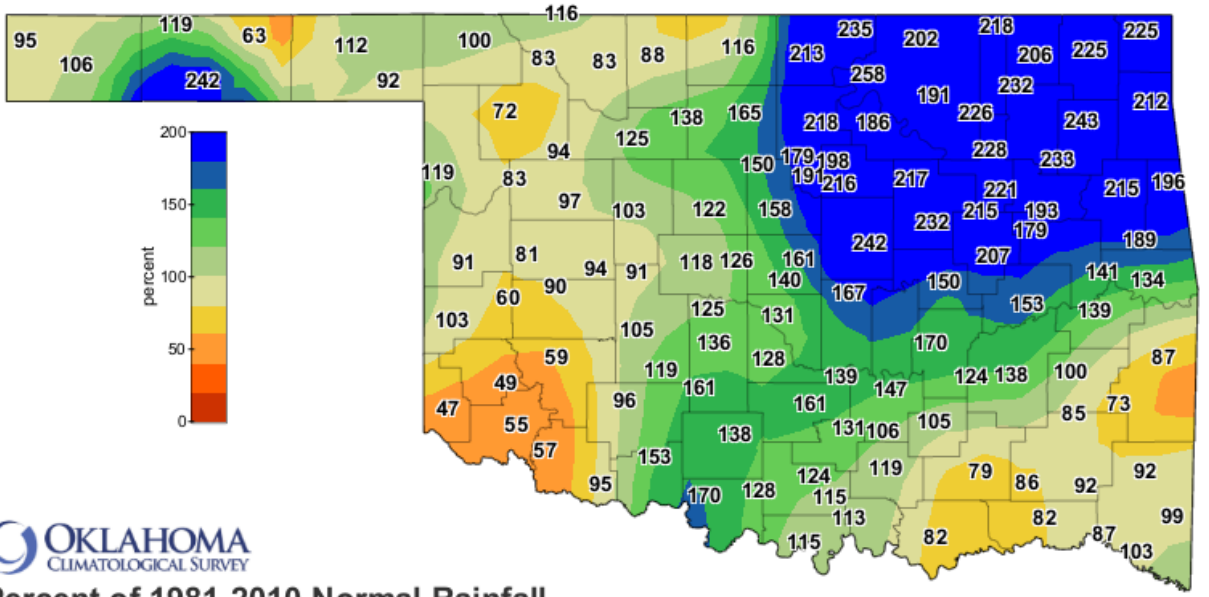
Jan 1, 2019 through Jan 31, 2019  
Created 12:00:56 PM February 1, 2019 UTC. Copyright 2019

## JANUARY 2019 DEPARTURE FROM NORMAL PRECIPITATION



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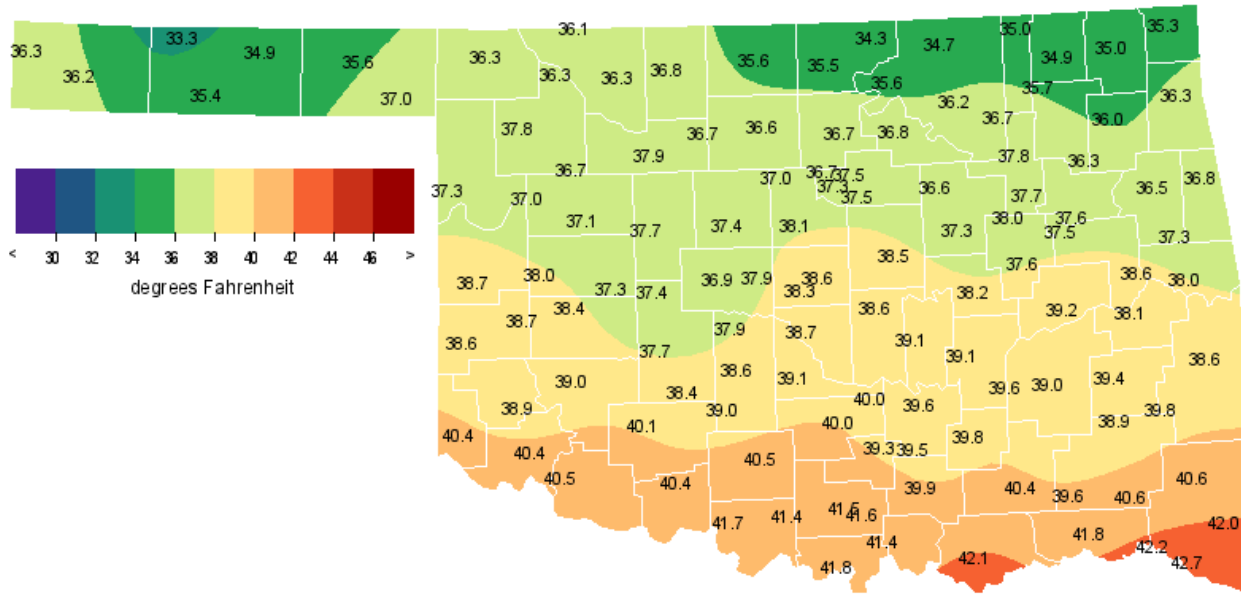
# JANUARY 2019 PERCENT OF NORMAL PRECIPITATION



Percent of 1981-2010 Normal Rainfall  
Calendar Month to Date

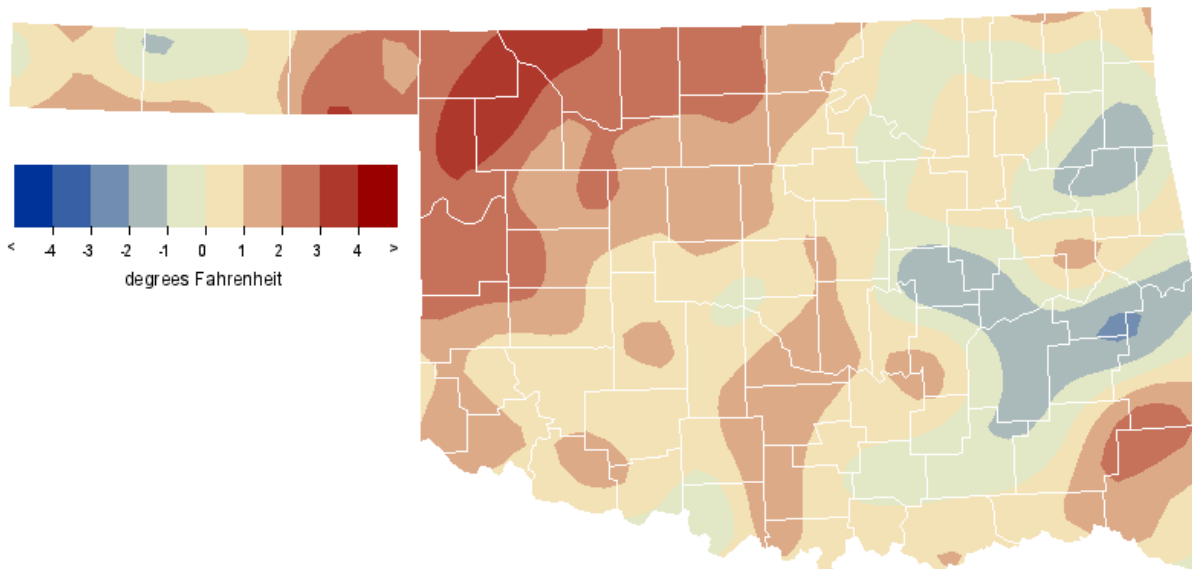
Jan 1, 2019 through Jan 31, 2019  
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## JANUARY 2019 AVERAGE TEMPERATURE



Jan 2019  
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## JANUARY 2019 DEPARTURE FROM NORMAL TEMPERATURE

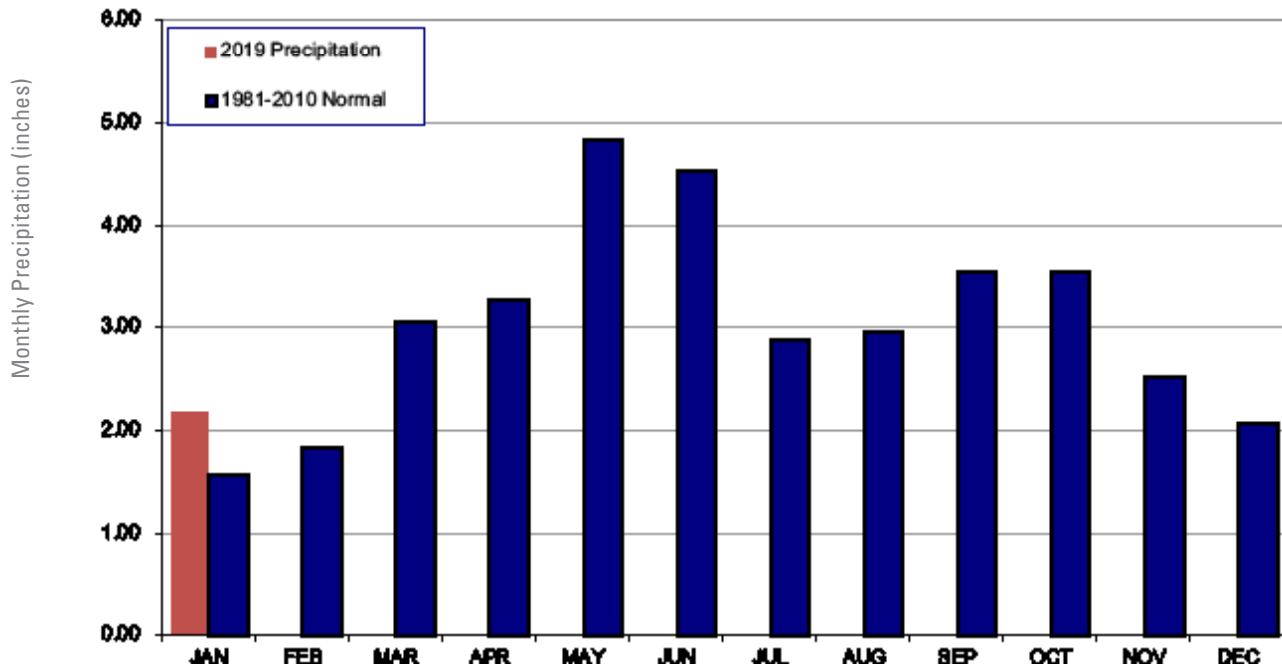


Jan 2019  
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# MESONET MONTHLY SUMMARY FOR JANUARY 2019

NAME	MEAN HIGH		LOW		HDD	CDD	TOT HIGH			NAME	MEAN HIGH		LOW		HDD	CDD	TOT HIGH				
	TEMP	TEMP	DAY	TEMP			DAY	PPT	24-HR		DAY	TEMP	TEMP	DAY			TEMP	DAY	PPT	24-HR	DAY
<b>PANHANDLE</b>																					
Arnett	37.3	67	6	12	29	860	0	.87	.58	4	Goodwell	35.4	72	21	4	2	919	0	.80	.28	11
Beaver	35.6	74	6	8	29	911	0	.65	.38	11	Hooker	34.9	70	21	7	2	934	0	.32	.22	11
Boise City	36.2	67	21	7	2	894	0	.51	.23	11	Kenton	36.3	71	21	5	2	890	0	.40	.18	18
Buffalo	36.3	72	6	12	30	890	0	.66	.47	11	Slapout	37.0	78	6	10	2	868	0	.58	.41	11
Eva	33.3	70	21	-2	2	982	0	.57	.30	11											
<b>NORTH CENTRAL</b>																					
Alva	36.3	68	5	14	30	890	0	.82	.45	11	May Ranch	36.1	69	5	11	30	895	0	.86	.63	11
Blackwell	35.4	63	6	13	30	918	0	2.30	1.25	11	Medford	35.6	63	7	15	30	910	0	1.32	.77	11
Breckinridge	36.6	64	7	15	30	881	0	1.85	.99	11	Newkirk	34.3	63	6	9	30	953	0	2.28	1.24	11
Cherokee	36.8	67	5	17	30	874	0	.99	.58	11	Red Rock	36.7	66	5	13	25	877	0	2.61	1.23	11
Fairview	37.8	67	5	16	30	844	0	1.09	.35	11	Seiling	36.7	67	5	12	29	876	0	.85	.34	4
Freedom	36.3	70	5	11	30	890	0	.62	.51	11	Woodward	37.8	72	6	13	30	844	0	.58	.31	11
Lahoma	36.6	64	7	15	30	879	0	1.41	.64	11											
<b>NORTHEAST</b>																					
Bixby	37.7	70	7	16	25	847	0	4.28	1.70	3	Pawnee	36.8	66	7	13	25	875	0	2.62	1.10	11
Burbank	35.6	66	6	10	25	912	0	3.07	1.34	11	Porter	37.6	70	7	15	25	850	0	4.26	1.58	3
Copan	35.0	68	7	10	25	931	0	3.33	1.34	11	Pryor	36.0	68	7	13	25	900	0	5.20	1.70	11
Foraker	34.7	66	7	10	25	938	0	2.60	1.26	11	Skiatook	36.7	68	7	13	20	877	0	3.61	1.22	11
Inola	36.4	69	7	14	25	888	0	5.03	1.77	3	Talala	35.8	68	7	11	25	906	0	3.87	1.31	11
Jay	36.2	69	7	8	25	892	0	5.12	1.63	11	Tulsa	37.8	68	7	16	25	843	0	3.83	1.24	3
Miami	35.3	66	7	11	25	920	0	4.35	1.94	11	Vinita	35.0	68	7	7	25	930	0	4.05	1.67	11
Nowata	34.9	68	7	9	25	932	0	3.52	1.38	11	Wynona	36.2	67	7	12	25	892	0	3.21	1.22	11
<b>WEST CENTRAL</b>																					
Bessie	38.4	66	7	16	30	826	0	1.02	.68	11	Erick	38.5	67	7	17	30	821	0	.78	.50	4
Butler	38.0	68	5	13	29	836	0	.82	.40	4	Putnam	37.1	65	7	15	30	866	0	.92	.47	4
Camargo	37.0	69	5	13	29	868	0	.78	.30	4	Watonga	37.6	64	7	16	30	849	0	1.15	.48	4
Cheyenne	38.7	66	7	15	30	815	0	.71	.39	4	Weatherford	37.2	63	7	15	23	861	0	1.10	.58	11
Elk City	38.7	66	7	16	30	816	0	.59	.25	4											
<b>CENTRAL</b>																					
Acme	39.0	66	18	15	29	807	0	2.22	.57	3	Norman	38.6	67	7	18	20	817	0	2.03	.73	3
Bristow	37.4	69	7	13	29	857	0	3.94	1.76	3	Oilton	36.6	68	7	11	25	879	0	3.53	1.34	11
Lake Carl Blac	36.6	66	5	13	25	879	0	2.29	1.02	11	OKC East	38.3	66	7	17	20	827	0	2.00	.53	11
Chandler	38.4	69	7	16	20	823	0	3.53	1.92	4	Okemah	38.2	69	7	15	29	830	0	2.90	1.34	3
Chickasha	38.6	66	7	17	29	817	0	1.83	.69	3	Perkins	37.5	66	7	16	25	851	0	2.85	1.05	3
El Reno	36.9	66	7	14	25	871	0	1.30	.46	4	Seminole	39.1	71	7	16	20	801	0	3.00	1.46	3
Guthrie	38.1	67	7	17	20	835	0	2.10	.80	11	Shawnee	38.6	68	7	17	20	820	0	2.72	1.09	4
Kingfisher	37.4	65	7	17	29	855	0	1.38	.52	11	Spencer	38.6	67	7	15	20	819	0	2.33	.62	11
Marena	37.3	67	5	13	25	860	0	2.50	.86	11	Stillwater	37.6	67	7	15	29	851	0	2.63	1.08	3
Minco	37.9	65	7	18	20	839	0	1.62	.57	4	Washington	39.2	68	7	17	20	798	0	2.10	.87	11
Marshall	37.0	65	7	16	29	869	0	1.82	.84	11	Yukon	37.9	66	7	16	20	840	0	1.55	.45	4
<b>EAST CENTRAL</b>																					
Cookson	37.4	69	7	12	25	857	0	4.88	1.25	3	Sallisaw	38.0	72	7	16	29	838	0	3.66	1.46	3
Eufaula	39.2	71	7	17	29	799	0	3.57	1.40	3	Stigler	38.2	71	7	16	20	832	0	3.83	1.71	3
Haskell	37.5	70	7	15	25	853	0	3.93	1.46	3	Stuart	39.6	71	7	17	20	786	0	3.11	1.33	3
Hectorville	38.0	69	7	15	25	837	0	4.00	1.64	4	Tahlequah	36.6	68	7	12	29	882	0	5.41	1.67	3
Holdenville	39.1	71	7	16	25	804	0	3.28	1.45	3	Webbers Falls	38.6	70	7	19	29	819	0	3.64	1.33	3
McAlester	39.0	72	7	15	29	806	0	3.33	1.49	3	Westville	36.8	67	7	12	25	873	0	5.29	1.50	3
Okmulgee	37.6	71	7	15	29	849	0	4.14	1.72	3											
<b>SOUTHWEST</b>																					
Altus	40.4	73	18	17	29	762	0	.58	.24	3	Hollis	40.4	76	18	15	29	762	0	.35	.16	3
Apache	38.4	66	7	17	25	824	0	1.49	.56	5	Mangum	38.9	71	18	14	29	809	0	.54	.28	4
Fort Cobb	37.7	66	7	15	29	845	0	1.20	.42	11	Medicine Park	40.1	66	7	19	25	772	0	1.36	.57	4
Grandfield	*****	***	***	***	***	*****	*****	1.24	.38	11	Tipton	40.6	71	18	18	29	756	0	.64	.27	3
Hinton	37.4	65	7	17	30	857	0	1.06	.40	4	Walters	40.4	69	18	19	23	762	0	2.04	.63	11
Hobart	38.9	65	18	17	29	808	0	.60	.24	3											
<b>SOUTH CENTRAL</b>																					
Ada	39.6	71	7	16	29	786	0	2.93	1.51	3	Lane	40.4	74	7	18	29	762	0	2.24	.89	3
Ardmore	41.7	69	7	21	20	724	0	2.26	1.13	11	Madill	41.4	70	7	19	29	733	0	2.39	1.34	11
Burneyville	41.8	70	7	18	29	720	0	2.00	1.10	11	Newport	41.5	69	7	18	20	730	0	2.31	1.15	11
Byars	40.0	70	7	16	20	776	0	2.66	1.25	3	Pauls Valley	40.0	70	7	18	29	776	0	2.89	1.16	11
Centrahoma	39.7	73	7	16	29	784	0	2.56	1.36	3	Ringling	41.4	68	6	20	29	733	0	2.20	1.11	11
Durant	42.1	72	7	20	20	709	0	1.87	.89	3	Sulphur	39.3	70	7	15	29	797	0	2.61	1.11	3
Fittstown	39.4	70	7	15	20	793	0	2.29	1.05	3	Tishomingo	39.9	70	7	17	29	779	0	2.61	1.11	3
Ketchum Ranch	40.5	68	6	19	20	761	0	2.31	1.04	11	Waurika	41.7	72	18	20	20	722	0	2.47	1.27	11
<b>SOUTHEAST</b>																					
Antlers	39.7	74	7	17	29	785	0	2.42	1.01	3	Mt Herman	40.7	71	7	17	29	754	0	3.05	.88	3
Broken Bow	42.0	72	7	21	20	713	0	3.43	.99	3	Talihina	39.8	74	7	17	29	780	0	2.39	.94	3
Clayton	40.2	74	7	16	29	*****	*****	2.48	1.03	3	Valliant	42.1	72	7	19	29	709	0	2.69	.83	3
Cloudy	40.6	72	7	18	29	756	0	2.80	.92	3	Wilburton	39.4	74	7	17	29	794	0	2.78	1.21	3
Hugo	41.8	73	7	21	20	720	0	2.39	.82	3	Wister	38.6	74	7	15	20	819	0	2.55	1.00	3
Idabel	42.7	72	7	21	20	693	0	3.30	1.08	3											

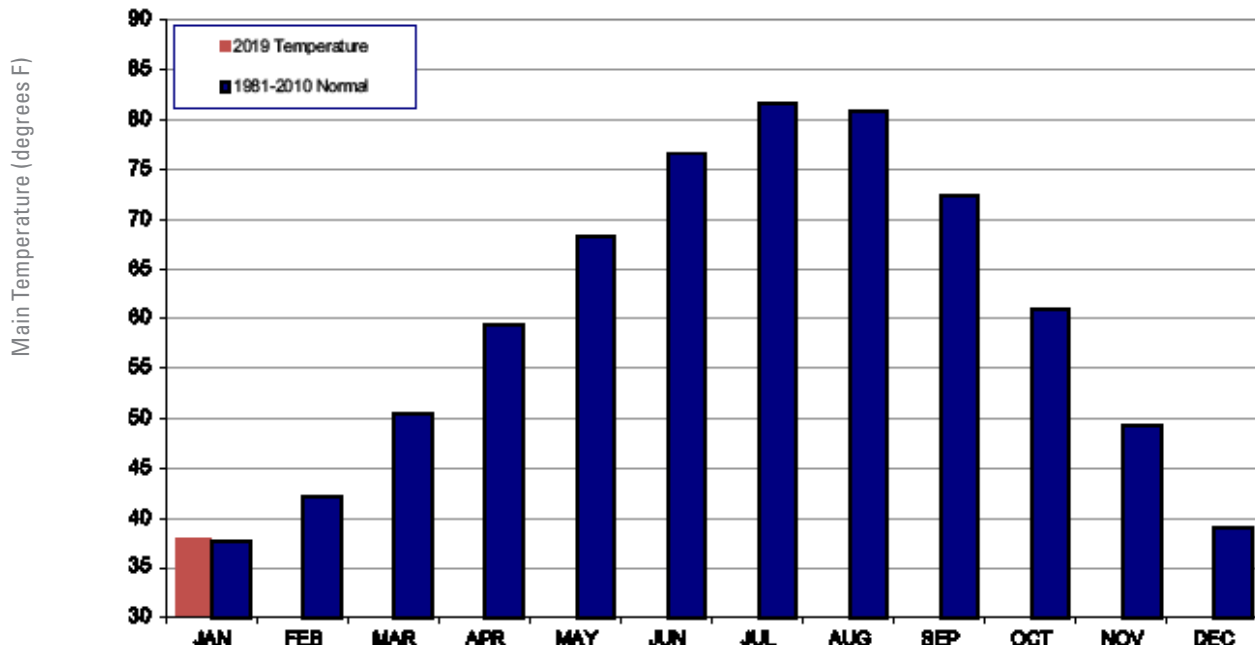
## 2019 STATEWIDE PRECIPITATION MONTHLY TOTALS VS. NORMAL



### January 2019 Mesonet Precipitation Comparison

Climate Division	Precipitation (inches)	Departure from Normal (inches)	Rank since 1895	Wettest on Record (Year)	Driest on Record (Year)	Jan-18 (inches)
Panhandle	0.60	0.06	38th Wettest	1.94 (2017)	0.00 (1923)	0.02
North Central	1.35	0.38	26th Wettest	4.16 (1949)	0.00 (1986)	0.08
Northeast	3.87	2.15	7th Wettest	6.87 (1916)	0.01 (1986)	0.59
West Central	0.87	-0.04	49th Wettest	3.74 (1949)	0.00 (1976)	0.00
Central	2.37	0.93	17th Wettest	5.58 (1949)	0.00 (1986)	0.27
East Central	4.01	1.59	15th Wettest	11.21 (1916)	0.04 (1986)	1.26
Southwest	1.01	-0.11	48th Wettest	4.48 (1949)	0.00 (1912)	0.07
South Central	2.41	0.41	35th Wettest	7.70 (1916)	0.03 (1986)	0.50
Southeast	2.75	-0.36	63rd Driest	11.13 (1949)	0.20 (1943)	2.25
Statewide	2.17	0.61	23rd Wettest	5.35 (1949)	0.03 (1986)	0.53

## 2019 STATEWIDE TEMPERATURE MONTHLY TOTALS VS. NORMAL



### January 2019 Mesonet Temperature Comparison

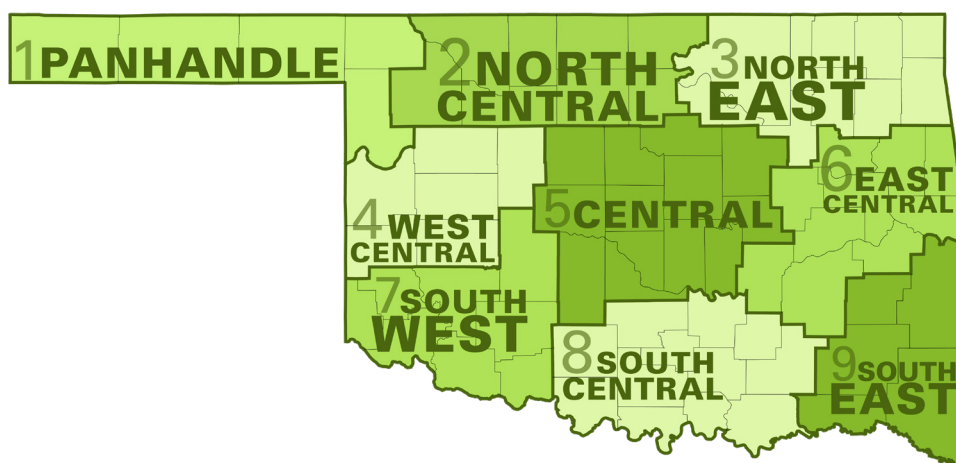
Climate Division	Average Temp (F)	Departure from Normal (F)	Rank since 1895	Hottest on Record (Year)	Coldest on Record (Year)	Jan-18 (F)
Panhandle	35.8	0.9	42nd Warmest	42.9 (2006)	19.7 (1940)	35.6
North Central	36.4	1.3	35th Warmest	45.0 (2006)	18.8 (1940)	34.5
Northeast	36.1	0.3	59th Warmest	46.2 (2006)	20.6 (1940)	34.4
West Central	37.9	0.9	41st Warmest	46.1 (2006)	21.3 (1930)	36.7
Central	37.9	0.0	54th Warmest	47.7 (2006)	22.8 (1930)	37.4
East Central	38.1	-0.5	58th Coolest	48.0 (1923)	24.8 (1918)	36.7
Southwest	39.3	-0.1	52nd Warmest	48.1 (2006)	23.6 (1930)	38.8
South Central	40.7	-0.1	55th Warmest	49.7 (1923)	27.5 (1930)	38.6
Southeast	40.6	0.2	57th Warmest	48.7 (1907)	27.7 (1918)	37.3
Statewide	38.0	0.3	52nd Warmest	46.8 (2006)	23.7 (1940)	36.6



## MESONET EXTREMES FOR JANUARY 2019

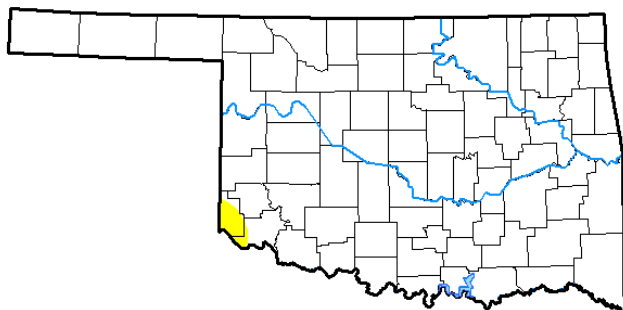
Climate Division	High Temp (F)	Day	Station	Low Temp (F)	Day	Station	High Monthly Rainfall (inches)	Station	High Daily Rainfall (inches)	Day	Station
Panhandle	78	6th	Slapout	-2	2nd	Eva	0.87	Arnett	0.58	4th	Arnett
North Central	72	6th	Woodward	9	30th	Newkirk	2.61	Red Rock	1.25	11th	Blackwell
Northeast	70	7th	Porter	7	25th	Vinita	5.20	Pryor	1.94	11th	Miami
West Central	69	5th	Camargo	13	29th	Camargo	1.15	Watonga	0.68	11th	Bessie
Central	71	7th	Seminole	11	25th	Oilton	3.94	Bristow	1.92	4th	Chandler
East Central	72	7th	McAlester	12	25th	Westville	5.41	Tahlequah	1.72	3rd	Okmulgee
Southwest	76	18th	Hollis	14	29th	Mangum	2.04	Walters	0.63	11th	Walters
South Central	74	7th	Lane	15	29th	Sulphur	2.93	Ada	1.51	3rd	Ada
Southeast	74	7th	Antlers	15	20th	Wister	3.43	Broken Bow	1.21	3rd	Wilburton
Statewide	78	6th	Slapout	-2	2nd	Eva	5.41	Tahlequah	1.94	11th	Miami

Oklahoma Climate Divisions



# U.S. Drought Monitor Oklahoma

**January 29, 2019**  
(Released Thursday, Jan. 31, 2019)  
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	99.22	0.78	0.00	0.00	0.00	0.00
<b>Last Week</b> <i>01-22-2019</i>	100.00	0.00	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> <i>10-30-2018</i>	92.31	7.69	1.60	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>01-01-2019</i>	94.85	5.15	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> <i>09-25-2018</i>	72.93	27.07	9.11	4.16	0.00	0.00
<b>One Year Ago</b> <i>01-30-2018</i>	0.00	100.00	99.76	81.45	21.11	0.00

**Intensity:**

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

**Author:**

Brian Fuchs  
National Drought Mitigation Center



<http://droughtmonitor.unl.edu/>

## INTERPRETATION INFORMATION

**MEAN DAILY TEMPERATURE:** Calculated from an average of the daily maximum and minimum temperatures. Daily averages are summed for each day, and then divided by the number of valid data points – typically the number of days in the month. Although this November differs from the “true” daily average, it is consistent with historical methods of observation and comparable to the normals and extremes for stations and regions of the state.

**DEGREE DAYS:** Degree Days are calculated each day of the month for which there is a temperature report and the mean temperature for the day is less than (Heating Degree Days) or greater than (Cooling Degree Days) 65 degrees. Daily values are summed to arrive at a monthly total. HDD/CDD are qualitative measures of how much heating/cooling was required to maintain a comfortable indoor temperature. Missing observations November result in an artificially high or low value.

## ADDITIONAL RESOURCES

### SUNRISE / SUNSET TABLES

U.S. Naval Observatory: <http://aa.usno.navy.mil/data>

### SEVERE STORM REPORTS

Storm Prediction Center: <http://spc.noaa.gov/climo/>

National Centers for Environmental Information:  
<https://www.ncdc.noaa.gov/stormevents/>

### SEASONAL OUTLOOKS

Climate Prediction Center:  
[http://www.cpc.ncep.noaa.gov/products/OUTLOOKS\\_index.shtml](http://www.cpc.ncep.noaa.gov/products/OUTLOOKS_index.shtml)

### CLIMATE CALENDARS AND OTHER LOCAL WEATHER AND CLIMATE INFORMATION

Oklahoma Climatological Survey:  
<http://climate.mesonet.org> or <http://climate.ok.gov/>



Oklahoma Climatological Survey is the State Climate Office for Oklahoma

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